

DT Series - DT15+

DUAL TECHNOLOGY SENSOR



FEATURES

- **Microwave Anti-Mask**
- **EN50131-2-4:2008...Grade 3, Class II**
- **Anti-Stealth Technology™**
- **Selectable End of Line Resistances**
- **Redesigned Housing Shared Across Platform Range**
- **Varifocal Lens Design**
- **Enhanced DT Processing**
- **Adjustment-Free Optics**

DT15+ incorporates a highly effective X-band microwave together with well-proven PIR technology. This pairing produces a superb dual technology sensor that greatly improves false alarm immunity and is compliant with EN50131-2-4:2008... Grade 3, Class II. Featuring an advanced microwave anti-mask system, the sensor detects any attempt to disable operation of one or both alarm channels.

Anti-stealth is a highly intelligent mode that precisely analyses microwave and PIR activity in a room and significantly improves detection in extreme conditions. This development also combats intrusion attempts using infrared screening materials. A sneak mirror is used to improve catch performance below the sensor satisfying the EN50131-2-4:2008...Grade 3, Class II standard.

Supervision circuitry provides continuous monitoring and converts to a single technology, pulse count PIR or microwave only unit, in the unlikely event of failure in either the microwave or the PIR. It has been designed to be simple to install with three LEDs within the sensor to facilitate efficient analysis of the technologies. Incorporating unique signature recognition for precise intruder detection, DT15+ is elevated to the next level for security solutions.



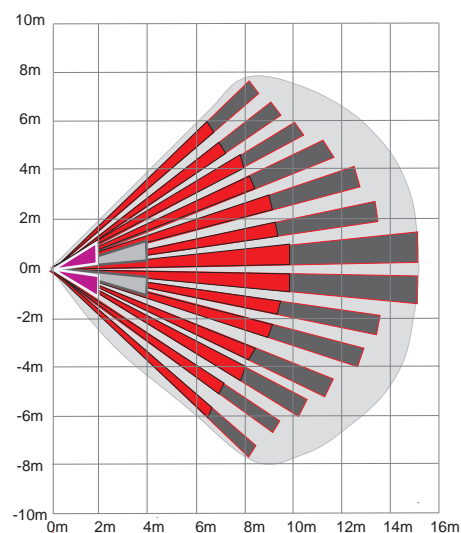
Integration Starts Here!

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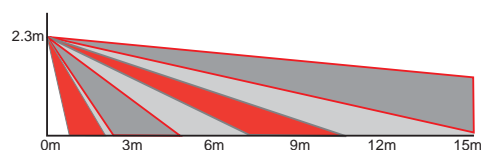
SPECIFICATIONS

Power	Voltage	12Vdc (9Vdc - 16Vdc)
	Current	13mA quiescent @ 12Vdc 21mA max @ 12Vdc (All LED's ON)
	Max. ripple	2V peak to peak @ 12Vdc
Microwave power		0.011 uw/cm ² @ 1m (average)
Frequency		X band
Alarm & Aux/Fault output		Normally closed, voltage free, solid state relay Rated @ 30Vdc, 50mA
Tamper output		Normally closed voltage free switch contacts
Alarm period		Approximately 3 seconds
Temperature range		-10°C to 55°C (14°F to 130°F)
Microwave range adjustment		50% to 100% of range via easily accessible potentiometer
PIR coverage adjustment		± 5° adjustment horizontally when corner mounted
Walk test LED's		Red Unit Alarm Green Microwave channel Yellow..... PIR channel
Remote LED enable		Control of LED indication using Test line
Anti-masking		Indicated on Aux output and LED's if selected
Latching		Standard (L-type) Latching
Microwave / PIR trouble		Indicated on Aux output and LED's if selected
Packed weight		approx. 135g
Dimensions (H x W x D)		110 x 66 x 42mm

VOLUMETRIC PLAN VIEW 15M



VOLUMETRIC SIDE VIEW 15M



FEATURE	BENEFIT
Adjustment free optics	Helps minimise the installation and set up time
Sealed optics	Lower risk of unwanted alarms from insects
Anti stealth	Improved detection in harsh environment
Sneak mirror	Effective detection below the sensor to EN50131 Grade 3 standard
Microwave anti-mask	Suitable for high security applications
Sensitivity selection	Higher security and reduced false alarms risk
Profiled temperature compensation	Stable detection through a range of operating temperatures
Microwave range control	Precise adjustment of microwave detection area
Digital fluorescent light rejection	No unwanted alarms from fluorescent lights
Low voltage detection	Indication of problem before you get false alarms
Multiple end of line resistor values	Easier and more effective installation
Microwave/PIR supervision	Continuous operation in the event of microwave/PIR failure
Microwave day disable	No microwave emissions during unset/day
Automatic self test	Identification of problems by constantly monitoring performance
Control input	Enables detector alarm memory, anti-mask and LED selection
EN50131-2-4:2008...Grade 3, Class II compliant	Can be used in all installations to this standard
Solid state relay	Cannot be defeated by external magnet
Test input	LED can be switched from the panel
Three LED's	Easier to check status of each technology as well as unit alarm
DIL switches	Easy selection of features during installation

ORDER INFORMATION

W76567	Guardall DT15+ 15m
W72321	Guardall LPB2 Low Profile Wall Bracket
W72977	Guardall CMB1 Ceiling Mount Bracket

Guardall is a worldwide supplier.
For contact information, please go to www.guardall.com